

WHAT IS CLAIMED IS:

1. A flow-rate adjustment valve for fluids, servoactuated by means of an electric motor, of the type that comprises, within a hermetically sealed enclosure capsule and supported so that it can rotate by way of means for
5 reducing rotational friction, the rotor component of said electric motor, coupled with a screw-and-nut coupling to a flow control element that is retained so as to perform only axial translational motions in a valve body provided with intake and discharge ports and fixed coaxially to said capsule, said valve body being composed of a tubular cup formed by drawing, which
10 is contoured so as to accommodate a guiding element for said flow control element and so as to engage first intake and discharge tubes at said ports, said flow control element being constituted by a stem with a threaded shank and a needle-like opposite flow control end, said stem having an alignment and rotation-preventing block overmolded thereon in an intermediate
15 position, said block being provided with edges suitable to slide in complementarily-shaped grooves provided on said guiding element, said rotor component comprising a female thread for coupling to said threaded shank that is obtained by casting and on which a cylindrical element made of plastroferrite is overmolded, said element being provided with an annular
20 groove for the guiding and abutment of elastic counterthrust means for said means for reducing rotational friction, said enclosure capsule being formed by a tubular portion that is closed in an upper region by a cap-like portion.

2. The valve according to claim 1, wherein a cylindrical portion protrudes from the bottom of said cup, is coaxial to said cup and is provided
25 with a passage for the flow of the fluid.

3. The valve according to claim 2, wherein said cup has, in a lateral lower part thereof, a hole for the flow of the fluid.

4. The valve according to claim 3, wherein said passage and said hole provide said ports.

30 5. The valve according to claim 1, wherein said tubular portion and

said cap-like portion are provided respectively by a second tube formed by drawing and by a cap formed by drawing.

6. The valve according to claim 1, wherein said tubular portion and said cap-like portion are constituted by a single part obtained by deep
5 casting.

7. The valve according to claim 1, wherein said guiding element is provided by a turned, broached and drilled hexagonal bar segment.

8. The valve according to claim 1, wherein said block is composed of a cylinder and a prism-shaped upper portion.

10 9. The valve according to claim 1, wherein said elastic counterthrust means are constituted by a helical spring.

10. The valve according to claim 1, wherein said means for reducing rotational friction comprise a bearing with two rings of balls.